INDEX TO VOLUME XLI

1959

SUBJECTS

Adjustment, Agricultural
  Labor Transfer and, in Southern Illinois, 118
  Regional, in Grain Production: Programming, to Eliminate Surpluses, 718
  See also: Policy; Supply
Advertising and Promotion of Farm Products
  Needed Research on Effectiveness of, 364
  Theoretical Issues, 349
Africa: Agricultural Development in, 1353
African Agriculture: Some Economic Development Problems of, 43
Agricultural Development: See Development
Agricultural Economics
  Current State of, 909
  Instruction in, 1406
    See also: Foreign Students
  Towards an International Dimension in, 211, 657
  See also: Research
Agricultural Economists, Role of: See Agricultural Economics; Extension; Foreign Students; Policy
Agricultural Policy: See Policy
Agriculture in an Unstable Economy Revisited, 487
Agriculture in Regional Economic Growth, 943
American Farm Economic Association
  AFEA-SSRC Committee on New Orientations in Research, 600, 1461
  Awards Program, 170
  Early History of: A Note on, 841
  First Fifty Years, 900
  Minutes, Business and Executive Committee Meetings, 1576
  Reports of Officers and Committees, 1560
Appalachian Area, Employment and Underemployment of Rural People in, 1076
Britain's Post War Agricultural Expansion: Some Economic Problems and Relationships Involved, 3
British Farm Support Policy: Recent Changes in, 1241
Budgeting, Farm, and Long-Run Supply Curves, 969

Canada's Experience in Agricultural Support Measures, 1250
Canadian Wheat Board: Cost of, to Canadian Farmers, 584
Capital Requirements, Increased: Adjusting Livestock-Share Leases to Meet, 63
Capper-Volstead and the Cooperatives, 1213
Cattle Feeding: Sources of Profit and Decision Making in, 640
Censuses, Forthcoming: Supplemental Data and, 1495
Collectivization in Yugoslavia, 26
Competition
  Changing, in the Food Trades, 1185
  Economic and Legal Concepts of, 1197
  Market Aspects of Price Support and Production Control Programs, 1224
  See also: Interregional Competition; Market Structure; Structure, Economic
Confidence Regions, Joint: Use of, in Testing Multiple Statistical Hypotheses, 77
Consumer Preferences: Variability of, 519
Consumption, Food, Regional: Study of, 1040
Cooperatives
  Capper-Volstead and, 1213
  Development of Revolving Finance in Sunkist Growers, 769
Cornell System of Economic Land Classification, 548
Cycle in Hogs: Emerging Phenomenon, 760
Cycles, Business: Response of Agricultural Production to, 487

Dairy Chore Labor: Effect of Size of Herd and Equipment on, 569
Data Committee, Agricultural: Report of, 1574
Data, Research
Interstate and Interregional Trade Flows for Agricultural Products, 1050
Some Needed Developments in Statistical Programs to Obtain, 1506
Structural Changes in Agriculture and Needs for, 1480
Study of Regional Food Consumption, 1040
Supplemental, from Forthcoming Censuses, 1495
The 1959 USDA Index Revisions, 1272
See also: Survey
Decision Making: Sources of Profits and, in Cattle Feeding, 640
Demand
Farm, for Tractors, Machinery, and Trucks, 323
For Inputs in Agriculture, and a Derived Supply Elasticity, 309
Supply and: Reactive Programming of Relationships—Application to Fresh Vegetables, 1012
See also: Elasticity
Demand Functions, for Fertilizer
National and Regional, 332
Regional: Distributed Lags, Disaggregation, and, 90
Development, Agricultural
African, Some Problems of, 43
In Latin America, 1358
In Middle East and Africa, 1353
In Regional Economic Growth, 943
Rural Industrialization for, 1332
See also: succeeding headings
Development, Economic
International Market Instabilities and, with Particular Reference to Latin America, 1327
Market Organization and, 1307
Market Structure Considerations in, 414
Market Structures and, in the Philippines, 500, 1316
Marketing Problems and, in Pakistan and India, 1323
Race Discrimination and: Changing Consequences of, in Southern Agriculture, 1113
Regional: Agriculture in, 943
Use of Surplus Agricultural Commodities in, Far East, 1345
See also adjacent headings
Development, Rural
Employment and Underemployment of Rural People in the Appalachian Area, 1076
Income Improvement Prospects in Low-Income Areas, 1065
Prospects, in the West, 1084
See also adjacent headings
Development: Structure and, of a Human Population System, 922
Development, Urban-Industrial: Impact of
On a Rural Community, 1127
Regional Differences in, on Farm and Nonfarm Income, 1100
See also preceding headings
Diets, Palatable Human: Linear Programming Models for Determining, 272

Econometric Model of the Egg Industry, 284; Correction, 803
Economic Development: See Development
Economists, Role of: See Agricultural Economics; Extension; Foreign Students
Education: Philosophy of Undergraduate, 1398
See also: Agricultural Economics, Instruction in; Foreign Students
Egg Industry: Econometric Model of, 284, 803
Egg Production Enterprise: Determination of an Optimal Replacement Policy for a Continually Operating, 1535
Eggs, North Carolina: Evaluating the Competition Position of, by Transportation Model, 790
Eisenhower's Wheat Program: An Estimation of the Treasury Cost for 1959, 815
Elasticity
Long-Run: Generalization of the Working Method for Estimating, 221
Long-Run: Note on Estimation of, 626; Reply, 632
Price and Income, for Food: Information about, from Survey Data, 113

Price, Short-Run: of Demand for Fryers, 798
Supply: and Demand for Inputs in Agriculture, 309
Extension
Adjustment Needed in Extension Thinking and Organization, 1435
Giving a Management Orientation to Extension Work, 1422
Role of the Agricultural Economist in Interdisciplinary Extension Work, 1448

Far East: Use of Surplus Agricultural Commodities in Economic Development of, 1345
Farm: See Adjustment, Agricultural Economics, Budgeting, Demand, etc.
Feed
Inventory Problem: Optimum Fodder Reserve, 257
Milk-Feed Ratios: Grain Feeding Related to, 805
See also: Grain
Fertility Response: Moisture Uncertainties and, 70
Fertilizer
National and Regional Demand Functions for, 332
Regional Demand Functions for: Distributed Lags, Disaggregation and, 90
Finance, Revolving: Development of, in Sunkist Growers, 769
Food Consumption, Regional: Study of, 1040
Food Trade: Changing Competition in, 1185
Food: Price and Income Elasticity for, Information About, from Survey Data, 113
Foreign Students
Graduate Training of, in Agricultural Economics, 128
Preparing, to Study Farm Economic Problems in Their Own Countries, 1384
Training of, from Less Developed Countries, in Agricultural Economics, 1363
University Training in Agricultural Economics for, 1373
Four Economists in the Political Process, 194
Fryers: Short-Run Price Elasticity of Demand for, 798

Grain
Feeding of, Related to Milk-Fed Ratios, 805
Parity Prices, in Their Economic Context, 1289
Programming Regional Adjustments in Production of, to Eliminate Surpluses, 718
See also: Feed, Wheat
Grazing Fees: Determination of, on Federally-Owned Range Lands, 535
Hypothesis Testing: Risk and, 1522
See also: Statistical Hypotheses
Great Plains, Farm Plans for: Estimating Variations in Production and Income Over Time, 262

Hogs, Cycle in, Emerging Phenomenon, 760
Hogs: See also, Swine

Illinois, Southern: Labor Transfer and Farm Adjustments in, 118
Illinois Swine Growers: Sources of Outlook Information, 830
Income
Production and: Estimating Variations Over Time in, in Farm and Home Plans for the Great Plains, 262
See also: Development (especially Development, Rural); Policy, Agricultural
India: Some Marketing Problems in, 1323
Industrialization: See Development
Innovators: A Note on, 132
Input-Output Models as Techniques of Analysis for Interregional Competition, 978
Inputs, Agricultural: Demand for, 309
Insurance Premiums: Property Taxes and, as Fixed Costs in Farm Valuations and Rental Determinations, 821
International Conference of Agricultural Economists, 168
International Dimension in Agricultural Economics: Towards an, 211 Correction, 657
International Market Instabilities with Particular to Latin America, 1327
International: See also Development; Foreign Students
Interregional Competition
Competitive Position of North Carolina

Eggs: Evaluation of by Use of Transportation Model, 790
Competitive Position of West Texas in Commercial Vegetable Production, 1023
Farm Budgeting and Long-Run Supply Curves, 969
Input-Out Models as Techniques of Analysis for, 978
Principal Forces, Normative Models, and Reality, 959
Reactive Programming of Supply and Demand Relations-Application to Fresh Vegetables, 1012
Transportation Models in Studies of, 997
See also: Data, Research
Integration, Vertical, of Agriculture with Allied Industries, 734
See also: Market Structure; Structure, Economic
Inventory Problem: The Optimum Fodder Reserve, 257
Irrigation, Primary Benefits of: Land Values as Measures of, 234

Labor, Agricultural
Effect of Size of Herd and Equipment on Dairy Chore Labor, 569
Employment and Underemployment of Rural People in the Appalachian Area, 1076
In Low-Income Areas: and Imperfections in Nonfarm Labor Market, 1065
Transfer of: and Farm Adjustments in Southern Illinois, 118
See also: Development; Migration
Lags, Distributed, Disaggregation, and Regional Demand Functions for Fertilizer, 90
Land
Economic Classification: Cornell System of, 548
Range, Federally-Owned: Determination of Grazing Fees on, 535
Values: As Measures of Primary Irrigation Benefits, 234
Latin America: Agricultural Development in, 1358
Latin America: International Market Instabilities, with Particular Reference to, 1327
Leases
Adjusting Livestock-Share, to Meet Increased Capital Requirements, 63
Property Taxes and Insurance Premiums as Fixed Costs in Farm Valuations and Rental Determinations, 821
Treatment of Farm Rentals in Social Security, 124
Linear Programming: See Programming
Livestock-Share Leases: Adjusting, to Meet Increased Capital Requirements, 63
Location
Describing the Structure and Development of a Human Population System, 922
Location Theory: Applied to Milk Processing Plants, 1546
See also: Development; Interregional Competition
Low Incomes in Agriculture: See Labor; Development; Income; Policy

Machinery, Farm: Demand for, 323
Mail Survey: See Survey, Mail
Market Organization and Economic Development, 1307
Market Structure
Considerations, in Economic Development, 414
In the Philippines, and Economic Development, 500, 1316
See also: Competition; Structure, Economic
Marketing
Changing Role of Price in Agricultural, 528
Problems in Pakistan and India, 1323
Markets, International; Instabilities in, with Particular Reference to Latin America, 1327
Middle East: Agricultural Development in, 1353
Migration
Internal, in the United States: Economic and Social Implications of, 1141
Occupational Mobility and, of Rural Youth: Implications of, for Agriculture, 1155
Structure and Development of a Human Population System, 922
Technical Advance and: Impact of, on Agricultural Society and Policy, 1169
Milk-Feed Ratios: Grain Feeding Related to, 805

Milk Processing Plants: Location Theory as Applied to, 1546
Mobility, Population: See Migration
Moisture Uncertainties and Fertility Response Studies, 70
Monopoly: See Competition

New Zealand: Agricultural Price Policy in, 16
News Notes, 164, 473, 686, 872
North Carolina Eggs: Evaluating Competitive Position of, by Transportation Model, 790

Obituary
Thompson, John Giffin, 871
Tolley, Howard Ross, 1
Organization, Farm
Resource Fixity and, 747
Resources, Variable: Allocation of Limited Quantities of, Among Competing Farm Enterprises, 781
See also: Plans, Farm
Outlook Information: Where Do Illinois Swine Growers Get? 830
Output, Gross Farm: Reflections on, 247
See also: Supply
Output-Input Relations Revisited: A Reply, 134

Pakistan: Some Marketing Problems in, 1323
Parity
Parity Prices in Their Economic Context, 1289
The 1959 USDA Index Revisions and Some Related Policy Questions, 1272
Part-Time Farming: See Labor, Agricultural
Ph.D. Degrees Conferred in Agricultural Economics 1958-59, 480
Philippines, Market Structures and Economic Development in, 500, 1316
Plans, Farm
Application of Dynamic Programming Models for Optimum Farm and Home Plans, 51
Estimating Variations in Production and Income Over Time in Farm Plans for the Great Plains, 262
See also: Organization, Farm
Policy, Agricultural, Foreign
Britain's Postwar Agricultural Expansion: Economic Problems and Relationships, 3
British Farm Support Policy: Recent Changes in, 1241
Canada's Experience in Agricultural Support Measures, 1250
Canadian Wheat Board: Cost of, to Canadian Farmers, 584
New Zealand: Agricultural Price Policy in, 16
Yugoslavia: Collectivization in, 26
See also: Development
Policy, Agricultural, United States
Current Policy Controversy, 916
Eisenhower's Wheat Program: Estimation of Treasury Cost for 1959, 815
Farm Technology, Foreign Surplus Disposal, and Domestic Supply Control, 885
Four Economists in the Political Process, 194
Market Competition Aspects of Price Support and Production Control Programs, 1224
Mistake in Problem Formulation and Its Impact on Farm Policy, 244
Wilcox's Farm Policy Dilemma: Note on, 620; Reply, 625
Regional Adjustments in Grain Production: Programming, to Eliminate Surpluses, 718
Technical Advance and Migration: Impact of, on Agricultural Society and Policy, 1169
Symposium on
The Supply, Price, and Income Dilemma, 173
Reflections on Farm Policy, Past and Future, 177
United States Farm Policy: An Appraisal, 180
Federal Agricultural Price and Income Policy, 1955-59, 185
Agricultural Policy for What? 189
See also: Inventory Problem; Surplus Disposal; Supply Control
Population
Characteristics: Estimating by Mail Survey, 833
Parameters: Use of linear Programming to Estimate, 808
System, Human: Describing the Structure and Development of, 922
See also: Migration
Poultry Products: See Egg; Fryers

Price
Changing Role of, in Agricultural Marketing, 528
Milk-feed Ratios: Grain Feeding Related to, 805
Price-Cost Squeeze: Are Farmers More Vulnerable to? 558
Support: See Policy
See also: Elasticity
Processing Plants, Milk: Location Theory as Applied to, 1546
Producers' Quasi-Supply During Stock Period, 103
Production
Grain Feeding Related to Milk-Feed Ratios, 805
Income and: Estimating Variations in, Over Time, in Farm Plans for the Great Plains, 262
See also: Output; Programming; Supply
Profit, Sources of, and Decision Making in Cattle Feeding, 640
Programming
Allocation of Limited Quantities of Variable Resources among Competing Farm Enterprises, 781
Application of Dynamic Programming Models for Optimum Farm and Home Plans, 51
Input-Output Models as Techniques of Analysis for Interregional Competition, 978
Linear Programming Models for the Determination of Palatable Human Diets, 272
Programming Regional Adjustments in Grain Production to Eliminate Surpluses, 718
Reactive Programming of Supply and Demand Relations—Application to Fresh Vegetables, 1012
Use of Linear Programming to Estimate Population Parameters, 808
Use of Modification Vectors in Adjusting Linear Programming Solutions, 649
Use of Tranfer Procedures in Linear Programming, 653
Projective Techniques: Potential Tools for Agricultural Economists? 644
Promotion: See Advertising
Property Taxes and Insurance Premiums as Fixed Costs in Farm Valuations and Rental Determinations, 821
Publications Received, 137, 435, 658, 842

Race Discrimination: Changing Consequences of, and Economic Development in Southern Agriculture, 1113
Range Lands, Federally-Owned: Determination of Grazing Fees on, 535
Reactive Programming: See Programming
Regional Development: See Development
Rentals, Farm: See Leases
Replacement: Determination of an Optimal Policy, for a Continually Operating Egg Productions Enterprise, 1535
Research, Agricultural Economics
Methods and Potentials in, 909
Needed, on Effectiveness of Farm Products Promotions, 364
New Arrangements for Doing Pioneering, in USDA, 1467
New Orientations in, 600, 1461
Projective Techniques as Tools for, 644
See also: Data, Research; Interregional Competition; Programming
Resource Fixity and Farm Organization, 747
Resources, Variable: Allocation of Limited Quantities of, Among Competing Farm Enterprises, 781
Risk and Hypothesis Testing, 1522
Rural Development: See Development
Rural Industrialization: See Development

Size of Herd: Effect of, on Dairy Chore Labor, 569
Social Security: Treatment of Farm Rentals in, 124
Southern Agriculture: Economic Development and Changing Consequences of Race Discrimination in, 1113
Statistical Hypotheses, Multiple: Use of Joint Confidence Regions in Testing, 77
Statistical Programs: See Data, Research
Stock Period: Producers' Quasi-Supply During, 103
Structural Changes in Agriculture and Research Data Needs, 1480
Structure and Development of a Hu-

man Population System: On Describing, 922
Structure, Economic
Changing, of the American Economy: Implications for Performance of Markets
Agricultural, 401
Industrial, 389
See also: Market Structure; Integration
Sunkist Growers, Development of Revolving Finance in, 769
Supply
And Demand Relations: Reactive Programming of, 1012
Cycle in Hogs: Emerging Phenomenon, 760
Long-Run: Farm Budgeting and, 969
Producers' Quasi-; During Stock Period, 103
Response, in an Unstable Economy, 487
See also: Elasticity
Supply Control: Further Reflections on, 697
See also: Policy, Agricultural
Support, Price: See Policy, Agricultural
Surpluses, Agricultural
Foreign Disposal of, and Domestic Supply Control, 885
Use of, in Economic Development of the Far East, 1345
Grain: Programming Regional Adjustments to Eliminate, 718
See also: Policy, Agricultural
Survey Data: Information About Price and Income Elasticity for Food, Obtained from, 113
Survey, Mail
Differences in Costs and Returns of Stamped and Business Reply Envelopes, 268
Estimating Population Characteristics by, 833
Swine Growers, Illinois: Sources of Outlook Information, 830

Tax, General Sales: Impact of, on Farmers, 837
Taxes, Property: As Fixed Costs in Farm Valuations and Rental Determinations, 821
Teaching: See Agricultural Economics, Instruction in; Education; Foreign Students
Technology, Farm
Foreign Surplus Disposal, and Domestic Supply Control, 885
Advance in: Impact of on Agricultural Society and Policy, 1169
Texas, West: Competitive Position of, in Commercial Vegetable Production, 1023
Tractors: Farm Demand for, 323
Trade Flows, Interstate and Interregional, for Agricultural Products, 1050
Transportation Model
Evaluating the Competitive Position of North Carolina Eggs by, 790
In Studies of Interregional Competition, 997
Trucks: Farm Demand for, 323

United States Department of Agriculture
New Arrangements for Doing Pioneering Research in, 1467
Indexes: 1959 Revisions, and Some Related Policy Questions, 1272

Valuations, Farm: Property Taxes and Insurance Premiums as Fixed Costs in, 821
Values, Land: as Measures of Primary Irrigation Benefits, 234
Values, Social: Impact on, of Technical Advance and Migration, 1169
Vegetables, Commercial: Competitive Position of West Texas in Production of, 1023
Vegetables, Fresh: Reactive Programming of Supply and Demand Relations, 1012

Weather: Moisture Uncertainties and Fertility Response, 70
West, Rural Development Prospects in, 1084
Wheat Board, Canadian: Cost of to Canadian Farmers, 584
Wheat Program, Eisenhower's: Estimation of Treasury Cost for 1959, 815
World Agricultural Economic Abstracts: Announcement, 479
Working Method for Estimating Long-Run Elasticities: Generalization of, 221

Youth, Rural: Migration and Occupational Mobility of, 1155
Yugoslavia: Collectivization in, 26

AUTHORS

Adams, Walter
Discussion: Changing Structure of the American Economy: Its Implications for Performance of Industrial Markets, 426

Adelman, M. A.
Economic and Legal Concepts of Competition

Ahlgren, H. L., and Ebling, W. H.
Some Needed Developments in Statistical Programs to Obtain Research Data, 1506

Allee, David J.
Risk and Hypothesis Testing, 1522

Armentrout, W. W.
Employment and Underemployment of Rural People in the Appalachian Area, 1076

Aune, H. J., and Day, L. M.
Determining the Effect of Size of Herd and Equipment on Dairy Chore Labor, 569

Bachman, Kenneth L., Brinegar, George K., and Southworth, Herman M.
Reorientations in Research in Agricultural Economics, 600

Baker, C. B.
See Reviews (Farm Size and Output Research), 443

Banks, Seymour
Discussion: Commodity Advertising of Farm Products, 379

Barker, Randolph
Discussion: Risk and Hypothesis Testing, 1531

Baum, E. L.
Discussion: Commodity Advertising of Farm Products, 382

Baum, E. L.
Discussion: The Determination of an Optimal Replacement Policy for a Continually Operating Egg Production Enterprise, 1543

Beal, George M., and Rogers, Everett M.
Projective Techniques: Potential Tools for Agricultural Economists? 644

Bechtol, Paul T.
See Reviews (Mason, Edwards S.), 679

Benedict, Murray R.
The Supply, Price, and Income Dilemma, 173

Berg, Sherwood
University Training in Agricultural Economics for foreign Students, 1373

Beringer, Christoph
See Reviews (Guenther, Hermann-Ernst), 451

Beringer, Christoph
See Reviews (Herlemann, Hans-Heinrich and Stamer, Hans), 441

Bertrand, Alvin L., and Osborne, Harold W.
The Impact of Industrialization on a Rural Community, 1127

Bishop, C. E.
See Reviews (Hoglund, C. R., et. al.), 860

Boles, James N., and Collins, Norman R.
The Use of Joint Confidence Regions in Testing Multiple Statistical Hypotheses, 77

Boles, James N., Collins, Norman R., and Mueller, Willard F.
Use of Linear Programming to Estimate Population Parameters, 808

Bond, M. C.
Discussion: Adjustment Needed in Extension Thinking and Organization, 1445

Bonnen, James T.
See Reviews (Markham, Jesse W.), 674

Bonnen, James T.
See Reviews (Mikesell, Raymond F.), 147

Brandow, G. E.
Reflections on Farm Policy, Past and Future, 177

Brandow, G. E.
The Current State of Agricultural Economics: The Policy Controversy, 916

Brandow, G. E.
See Reviews (Boulding, Kenneth E.), 150

Bredo, William
Rural Industrialization for Agricultural Development, 1332

Breimyer, Harold F.
Emerging Phenomenon: A Cycle in Hogs, 760

Brewster, John M.
The Impact of Technical Advance and Migration on Agricultural Society and Policy, 1169

Brinegar, George K.
Discussion: Encouraging Fundamental Research in Agricultural Economics, 1474
Brinegar, George K., Bachman, Kenneth L., and Southworth, Herman M.
Reorientations in Research in Agricultural Economics, 600
Brown, C. Harold, and Buck, Roy C.
The Implications of Rural Youth Migration and Occupational Mobility for Agriculture, 1155
Brown, W. Herbert
Are Farmers More Vulnerable to the Price-Cost Squeeze? 558
Buck, Roy C., and Brown, C. Harold
The Implications of Rural Youth Migration and Occupational Mobility for Agriculture, 1155
Burk, Marguerite C.
The Study of Regional Food Consumption, 1040

Candler, Wilfred
The Optimum Fodder Reserve—An Inventory Problem, 257
Carter, Harold O., and Heady, Earl O.
Input-Output Models as Techniques of Analysis for Interregional Competition, 978
Chipman, John S.
See Reviews (Koopmans, Tjalling C.), 447
Christensen, R. P.
Discussion: Interregional Competition in Agriculture, 994
Clark, H. B.
Discussion: Undergraduate Training in Agriculture, 1415
Clawson, Marion
Reflections on Gross Farm Output, 247
Clodius, Robert L.
Discussion: Special Status of Agriculture in Market Competition, 1234
Cochrane, Willard W.
Changing Structure of the American Economy: Its Implications for the Performance of Agricultural Markets, 401
Cochrane, Willard W.
Farm Technology, Foreign Surplus Disposal and Domestic Supply Control, 885
Cochrane, Willard W.
Some Further Reflections on Supply Control, 697
Collins, Norman R.
Changing Role of Price in Agricultural Marketing, 528
Collins, Norman R.
Discussion: Changing Structure of the American Economy: Its Implications for the Performance of Agricultural Markets, 429
Collins, Norman R., and Boles, James N.
The Use of Joint Confidence Regions in Testing Multiple Statistical Hypotheses, 77
Collins, Norman R., Boles, James N., and Mueller, Willard F.
Use of Linear Programming to Estimate Population Parameters, 808
Conklin, Howard E.
The Cornell System of Economic Land Classification, 548
Cook, Hugh L.
Market Structures and Economic Development in the Philippines, 1316
Cook, Hugh L.
Observations on Market Structures and National Economic Development in the Philippines, 500
Coutu, Arthur J., Martin, Lee R., and Singh, H. S.
Note on the Use of Transfer Procedures in Linear Programming, 653
Cromarty, William A.
The Farm Demand for Tractors, Machinery and Trucks, 323
Cromarty, William A.
See Reviews (Fox, Karl A.), 858

Dailey, R. T., and McAlexander, R. H.
Use of Modification Vectors in Adjusting Linear Programming Solutions, 649
Darrah, L. B.
Preparing Foreign Students to Study Farm Economic Problems in Their Own Countries, 1384
Davis, K. C.
See Reviews (Malone, Carl C. and Malone, Lucile Holaday), 670
Day, L. M., and Aune, H. J.
Determining the Effect of Size of Herd and Equipment on Dairy Chore Labor, 569
Doll, John P.

The Allocation of Limited Quantities of Variable Resources among Competing Farm Enterprises, 781
Dollymore, Nora E.
See Reviews (Studenski, Paul), 677

Ebling, W. H., and Ahlgren, H. L.
Some Needed Developments in Statistical Programs to Obtain Research Data, 1506
Edwards, Clark
Resource Fixity and Farm Organization, 747
Egbert, Alvin C., and Heady, Earl O.
Programming Regional Adjustments in Grain Production to Eliminate Surpluses, 718
Erdman, H. E., and Larsen, Grace
Development of Revolving Finance in Sunkist Growers, 769

Farris, Paul L., and Nordhauser, Fred
An Estimate of the Short-Run Price Elasticity of Demand for Fryers, 798
Fellows, Irving F.
Discussion: Interregional Competition in Agriculture, 992
Fels, Rendigs
See Reviews (Warner, Aaron W. and Fuchs, Victor R.), 678
Finner, Winn F.
Interstate and Interregional Trade Flows for Agricultural Products, 1050
Fischer, John L.
Rural Development Prospects in the West, 1084
Foote, Richard J.
Discussion: Studies of Interregional Competition, 1037
Fosen, Robert H.
See Reviews (Emery, F. E. and Oeser, O. A.), 458
Foss, Phillip O.
The Determination of Grazing Fees on Federally-Owned Range Lands, 535
Fox, Karl A.
The Current State of Agricultural Economics: Methods and Potentials in Agricultural Economic Research, 909
French, Charles E.
Discussion: Location Theory as Applied to Milk Processing Plants, 1556
Frey, John C.
See Reviews (Barlowe, Raleigh), 852

Gerra, Martin J.
An Econometric Model of the Egg Industry, 284; Correction, 803
Gislason, Conrad
How Much Has the Canadian Wheat Board Cost the Canadian Farmers? 584
Goodman, Bernard
See Reviews (Hirschman, Albert O.), 468
Gray, Roger W.
Discussion: Competition in the Food Trade, 1207
Griliches, Zvi
Distributed Lags, Disaggregation, and Regional Demand Functions for Fertilizer, 90
Griliches, Zvi
The Demand for Inputs in Agriculture and a Derived Supply Elasticity, 309
Groenveld, D.
See Reviews (Central Commission for Land Improvement), 856

Hadley, Noah S.
The Role of the Agricultural Economist in Interdisciplinary Extension Work, 1448
Halcrow, Harold G., and Hieronymus, T. A.
Parity Prices in Their Economic Context, 1289
Halcrow, Harold G.
See Reviews (Bishop, C. E., and Toussaint, W. D.), 459
Hamilton, W. E.
A Note on Wilcox's 'Farm Policy Dilemma,' 620
Hammerberg, D. O.
Discussion: Special Status of Agriculture in Market Competition, 1236
Harris, Curtis C.
Eisenhower's Wheat Program: An Estimation of the Treasury Cost for 1959, 815
Hassler, J. B.
Interregional Competition in Agriculture—Principal Forces, Normative Models and Reality, 959
Hathaway, Dale E.
Agriculture in an Unstable Economy Revisited, 487

Hathaway, Dale E.
Discussion: Supplemental Data from the Forthcoming Censuses, 1503
Hathaway, Dale E.
United States Farm Policy: An Appraisal, 180
Haver, Cecil B.
Discussion: Agricultural Support Measures, 1268
Heady, Earl O.
On Output-Input Relationships Revisited: A Reply, 134
Heady, Earl O., and Carter, Harold O.
Input-Output Models as Techniques of Analysis for Interregional Competition, 978
Heady, Earl O., and Egbert, Alvin C.
Programming Regional Adjustments in Grain Production to Eliminate Surpluses, 718
Heady, Earl O., and Loftsgard, Laurel D.
Application of Dynamic Programming Models for Optimum Farm and Home Plans, 51
Heady, Earl O., and Yeh, Martin H.
National and Regional Demand Functions for Fertilizer, 332
Heisig, Carl P.
New Arrangements for Doing Pioneering Research in USDA, 1467
Helfinstine, Rex D.
Estimating Variation in Production and Income Over Time in Farm Plans for the Great Plains, 262
Hendrix, William E.
Income Improvement Prospects in Low-Income Areas, 1065
Henry, William R., and King, Richard A.
Transportation Models in Studies of Interregional Competition, 97
Herr, William McD.
Labor Transfer and Farm Adjustments in Southern Illinois, 118
Hewes, L. I., Jr.
See Reviews (Klein, Sidney), 465
Hieronymus, T. A., and Halcrow, H. G.
Parity Prices in Their Economic Context, 1289
Hill, Howard L., and Staniforth, Sydney D.
Adjusting Livestock-Share Leases to Meet Increased Capital Requirements, 63
Hoffman, A. C.
Changing Competition in the Food Trade, 1185
Hoos, Sidney
The Advertising and Promotion of Farm Products—Some Theoretical Issues, 349
Hopkin, John A., and Tapp, Jesse W.
The Market Competition Aspects of Price Support and Production Control Programs, 1224
Huffman, Roy E.
See Reviews (Jarrett, Henry), 681
Hurlburt, Virgil L.
Property Taxes and Insurance Premiums as Fixed Costs in Farm Valuations and Rental Determinations, 821
Hyre, French M.
See Reviews (Ray, Parimal Kumar), 684

Inman, Buis T.
Discussion: Impact of Urban-Industrial Development on Agriculture, 1137
Ironmonger, D. S.
A Note on the Estimation of Long-Run Elasticities, 626

James, H. B.
The Philosophy of Undergraduate Education, 1398
Jenkins, Warder B.
Supplemental Data from the Forthcoming Censuses, 1495
Jesness, O. B.
The First Fifty Years, 900
Johnson, Paul E.
Agricultural Development in the Middle East and Africa, 1353

Kaihara, Motosuke, and Parsons, Kenneth H.
A Note: Graduate Training of Foreign Students in Agricultural Economics, 128
King, Richard A.
See Reviews (Heady, Earl O., and Candler, Wilfred), 461
King, Richard A., and Henry, William R.
Transportation Models in Studies of Interregional Competition, 997
Kirkendall, Richard S.
Four Economists in the Political Process, 194
Knapp, Joseph G.
See Reviews (Kaplan, A. D. H., et al.), 158

Knetsch, Jack L.
Moisture Uncertainties and Fertility Response Studies, 70
Koch, A. Robert
Discussion: Data for Interregional Studies, 1060
Kohls, R. L.
Goals of Undergraduate Instruction in Agricultural Economics, 1406

Ladd, George W.
See Reviews (Nerlove, Marc), 452
Ladd, George W., and Tedford, John R.
A Generalization of the Working Method for Estimating Long-Run Elasticities, 221
Larsen, Grace, and Erdman, H. E.
Development of Revolving Finance in Sunkist Growers, 769
Lewis, A. B.
Training Students of Less Developed Countries in Agricultural Economics 1363
Loftsgard, Laurel D., and Heady, Earl O.
Application of Dynamic Programming Models for Optimum Farm and Home Plans, 51

Markham, Jesse W.
Changing Structure of the American Economy: Its Implications for Performance of Industrial Markets, 389
Martin, Joe A.
Discussion: Impact of Urban-Industrial Development on Agriculture, 1134
Martin, Lee R.
Some Marketing Problems in Pakistan and India, 1323
Martin, Lee R., Coutu, Arthur J., and Singh, H. S.
Note on Use of Transfer Procedures in Linear Programming, 653
McAlexander, R. H., and Dailey, R. T.
Use of Modification Vectors in Adjusting Linear Programming Solutions, 649
McCarthy, W. Owen
Agricultural Price Policy in New Zealand, 16
Mehren, George L.
Market Organization and Economic Development, 1307
Meissner, Frank
See Reviews (Bouvier, Charles), 446
Meissner, Frank
See Reviews (Dumont, Rene), 446
Mellor, John W., and Strauss, Conrad B.
Grain Feeding Related to Milk-Feed Ratios, 805
Mighell, Ronald L.
Farm Budgeting and Long-Run Supply Curves, 969
Miller, L. F.
Discussion: Undergraduate Training in Agriculture, 1418
Miller, Paul A.
Adjustment Needed in Extension Thinking and Organization, 1435
Milliman, J. W.
Land Values as Measures of Primary Irrigation Benefits, 234
Mischler, Raymond J.
See Reviews (Surridge, B. J., and Digby, Margaret), 463
Mitchell, Glen H.
See Reviews (Alderson, Wroe), 853
Mollett, J. Anthony
Britain's Post War Agricultural Expansion: Some Economic Problems and Relationships Involved, 3
Mueller, Willard F.
Some Market Structure Considerations in Economic Development, 414
Mueller, Willard F., Boles, James N., and Collins, Norman R.
Use of Linear Programming to Estimate Population Parameters, 808

Nerlove, Marc
On the Estimation of Long-Run Elasticities: A Reply, 632
Nerlove, Marc
See Reviews (Henderson, James M. and Quandt, Richard E.), 469
Neumark, S. D.
Some Economic Development Problems of African Agriculture, 43
Nordhauser, Fred, and Farris, Paul L.
An Estimate of the Short-Run Price Elasticity of Demand for Fryers, 798
Nordin, J. A.
See Reviews (Papandreou, Andreas G.), 671
North, Douglass C.
Agriculture in Regional Economic Growth, 943

Olson, Fred L.

Location Theory as Applied to Milk Processing Plants, 1546
Osborne, Harold W., and Bertrand, Alvin L.
The Impact of Industrialization on a Rural Community, 1127
Ottoson, Howard W.
Discussion: Agricultural Support Measures, 1265

Parsons, Kenneth H.
See Reviews (Galbraith, J. K.), 144
Parsons, Kenneth H., and Kaihara, Motosuke
A Note: Graduate of Foreign Students in Agricultural Economics, 128
Penn, R. J.
Federal Agricultural Price and Income Policy, 1955-59, 185
Peryam, David R.
Discussion: Linear Programming Models for the Determination of Palatable Human Diets, 302
Pesek, Boris P.
Producers' Quasi-Supply During Stock Period, 103
Peterson, Arthur W.
Discussion: Giving a Management Orientation to Extension Work, 1430
Pikl, I. James, Jr.
See Reviews (Youngson, A. J.), 868

Ramsey, Charles E.
Discussion: Structural Changes in Agriculture and Research Data Needs, 1491
Ramsey, Ralph J.
Discussion: Intersector Relations in Rural Development, 1097
Raup, Philip M.
Structural Changes in Agriculture and Research Data Needs, 1480
Redman, John C.
See Reviews (Worrell, Albert C.), 864
Regan, Mark M.
See Reviews (Eckstein, Otto), 668
Rhodes, V. James
The Variability of Consumer Preferences, 519
Robert, Shelby A., Jr.
Discussion: Commodity Advertising of Farm Products, 377
Robotka, Frank
Capper-Volstead and the Cooperatives, 1213
Rogers, Everett M.
A Note on Innovators, 132
Rogers, Everett M., and Beal, George M.
Projective Techniques: Potential Tools for Agricultural Economists? 644
Ross, James E.
Where Do Illinois Swine Growers Get Their Outlook Information? 830
Russell, Sargent
Discussion: Studies of Interregional Competition, 1035
Ruttan, Vernon W.
Discussion: The Location of Economic Activity, 952

Saunders, Fred B.
Discussion: Intersector Relations in Rural Development, 1094
Schmidt, J. P.
Discussion: Postgraduate Instruction for Foreign Students, 1395
Schnittker, John A.
Discussion: Revisions of the Parity Index, 1300
Schultz, Theodore W.
Agricultural Policy for What? 189
Scoville, Orlin J.
Discussion: Needed Developments in Statistical Programs to Obtain Research Data, 1519
Seale, A. D., Jr., and Tramel, Thomas E.
Reactive Programming of Supply and Demand Relations—Application to Fresh Vegetables, 1012
Shaffer, James Duncan
Differences in Costs and Returns of Stamped and Business Reply Envelopes in a Mail Survey, 268
Shaffer, James Duncan
Estimating Population Characteristics by Mail Survey, 833
Shaffer, James Duncan
Information about Price and Income Elasticity for Food Obtained from Survey Data, 113
Shepherd, Geoffrey
Discussion: Revisions of the Parity Index, 1302
Singh, H. S., Coutu, Arthur J., and Martin, Lee R.
Note on Use of Transfer Procedures in Linear Programming, 653
Sisler, Daniel G.
Regional Differences in the Impact of Urban-Industrial Development on Farm and Nonfarm Income, 1100

Smith, Victor E.
Linear Programming Models for the Determination of Palatable Human Diets, 272
Sorensen, H. B.
The Competitive Position of West Texas in Commercial Vegetable Production, 1023
Southern, John H.
See Reviews (Johnston, Bruce F.), 466
Southworth, Herman M.
The AFEA-SSRC Committee on New Orientations in Research, 1461
Southworth, Herman M., Brinegar, George K., and Bachman, Kenneth L.
Reorientations in Research in Agricultural Economics, 600
Spears, McGehee, H.
The Impact of a General Sales Tax on Farmers, 837
Staniforth, Sydney D., and Hill, Howard L.
Adjusting Livestock-Share Leases to Meet Increased Capital Requirements, 63
Stauber, B. R.
The 1959 USDA Index Revisions and Some Related Policy Questions, 1272
Stearns, Troy L.
Discussion: Postgraduate Instruction for Foreign Students, 1392
Stemberger, A. P.
Evaluating the Competitive Position of North Carolina Eggs by Use of the Transportation Model, 790
Stepp, J. M.
See Reviews (Tang, Anthony M.), 156
Stewart, C. L.
See Reviews (Denman, D. R.), 154
Strauss, Conrad B., and Mellor, John W.
Grain Feeding Related to Milk-Feed Ratios, 805
Swanson, Earl R.
Sources of Profit and Decision Making in Cattle Feeding, 640
Swanson, Earl R.
See Reviews (Bowman, Mary Jean), 862

Taeuber, Conrad
Economic and Social Implications of Internal Migration in the United States, 1141
Tang, Anthony M.
Economic Development and Changing Consequences of Race Discrimination in Southern Agriculture, 1113
Tapp, Jesse W., and Hopkin, John A.
The Market Competition Aspects of Price Support and Production Control Programs, 1224
Taylor, Henry C.
A Note on the Early History of Our Association, 841
Tedford, John R., and Ladd, George W.
A Generalization of the Working Method for Estimating Long-Run Elasticities, 221
Telser, Lester G.
Discussion: Commodity Advertising of Farm Products, 386
Telser, Lester G.
See Reviews (Aitchison, J. and Brown, J.A.C.), 161
Thomas, Edgar
Recent Changes in British Farm Support Policy, 1241
Thompson, Donovan J.
See Reviews (Stephan, Frederick F. and McCarthy, Philip J.), 163
Timmons, John F.
See Reviews (McKean, Roland N.), 456
Tochitch, Desimir
Collectivization in Yugoslavia, 26
Tolley, G. S.
See Reviews (Kurihara, Kenneth K.), 866
Tramel, Thomas E., and Seale, A. D., Jr.
Reactive Programming of Supply and Demand Relations—Application to Fresh Vegetables, 1012
Trelogan, Harry C.
Discussion: Some Market Structure Considerations in Economic Development, 432
Trifon, Raphael
Guides for Speculation about the Vertical Integration of Agriculture with Allied Industries, 734
Turner, A. H.
Canada's Experience in Agricultural Support Measures, 1250

Vining, Rutledge
On Describing the Structure and Development of a Human Population System, 922

Watts, Harold W.
See Reviews (Nerlove, Marc), 151
Waugh, Frederick V.
Needed Research on the Effectiveness of Farm Products Promotions, 364
Waugh, Frederick V.
Discussion: Encouraging Fundamental Research in Agricultural Economics, 1476
Weeks, S. B.
Discussion: The Role of the Agricultural Economist in Interdisciplinary Extension Work, 1457
Wells, Oris V.
Discussion: The Location of Economic Activity, 954
Wernimont, Kenneth
Agricultural Development in Latin America, 1358
West, Quentin M.
Use of Surplus Agricultural Commodites in the Economic Development of the Far East, 1345
West, Vincent, I.
Discussion: Data for Interregional Studies, 1063
West, Vincent I.
See Reviews (Foote, Richard J.), 449
White, W. Cleland
The Determination of an Optimal Replacement Policy for a Continually Operating Egg Production Enterprise, 1535
Whitney, Simon N.
Discussion: Competition in the Food Trade, 1208
Wilcox, Walter W.
A Mistake in Problem Formulation and Its Impact on Farm Policy, 244
Wilcox, Walter W.
On the Wilcox 'Farm Policy Dilemma': A Reply, 625
Williams, Moyle S.
Giving a Management Orientation to Extension Work, 1422
Witt, Lawrence
International Market Instabilities with Particular Reference to Latin America, 1327
Witt, Lawrence
Towards an International Dimension in Agricultural Economics, 211; Correction, 657
Wunderlich, Gene
The Treatment of Farm Rentals in Social Security, 124

Yeh, Martin H., and Heady, Earl O.
National and Regional Demand Functions for Fertilizer, 332

Zellner, Arnold
See Reviews (Quenouille, M. H.), 682
Zwick, Charles J.
Discussion: Econometric Models in Agriculture, 306

REVIEWS

(By author of publication—reviewer in parenthesis)

Aitchison, J., and Brown, J. A. C., *The Lognormal Distribution* (Telser, Lester G.), 161
Alderson, Wroe, *Market Behavior and Executive Action: A Functionalist Approach to Marketing Theory* (Mitchell, Glen H.), 853

Barlowe, Raleigh, *Land Resource Economics, The Political Economy of Rural and Urban Land Use* (Frey, John C.), 852
Bishop, C. E., and Toussaint, W. D., *Introduction to Agricultural Economic Analysis* (Halcrow, Harold G.), 459
Boulding, Kenneth E., *Principles of Economic Policy* (Brandow, G. E.), 150
Bouvier, Charles, *La Collectivisation de l'Agriculture* (Meissner, Frank), 446
Bowman, Mary Jean (Ed.), *Expectations, Uncertainty, and Business Behavior,* (Swanson, Earl R.), 862
Brown, J. A. C. (see Aitchison, J.)

Candler, Wilfred (see Heady, Earl O.)
Central Commission for Land Improvement, *Meerjarenplan voor Ruilverkaveling en Andere Cultuurtechnische Werken in Nederland* (Groenveld, D.), 856

Denman,, D. R., *Estate Capital, The Contribution of Landownership to Agricultural Finance* (Stewart, C. L.), 154

Digby, Margaret (see Surridge, B. J.)
Dirlam, Joel B. (see Kaplan, A. D. H.)
Dumont, Rene, *Revolution Dans les Champagnes Chionoises* (Meissner, Frank), 446

Eckstein, Otto, *Water Resource Development: The Economics of Project Evaluation* (Regan, Mark M.), 668
Emery, F. E., and Oeser, O. A., *Information, Decision and Action* (Fosen, Robert H.), 458

Farm Size and Output Research, A Study in Research Methods (Baker, C. B.), 443
Foote, Richard J., *Analytical Tools for Studying Demand and Price Structures* (West, Vincent I.), 449
Fox, Karl A., *Econometric Analysis for Public Policy* (Cromarty, William A.), 858
Fuchs, Victor R. (see Warner, Aaron W.)

Galbraith, J. K., *The Affluent Society* (Parsons, Kenneth H.), 144
Guenther, Herman-Ernst, *Die Marktregulierung fuer Milch und Molkereiprodukte in den Niederlanden* (Beringer, Christoph), 451

Heady, Earl O., and Candler, Wilfred, *Linear Programming Methods* (King, Richard A.), 461
Henderson, James M., and Quandt, Richard E., *Microeconomic Theory: A Mathematical Approach* (Nerlove, Marc), 469
Herlemann, Hans-Heinrich, and Stamer, Hans, *Produktionsgestaltung und Betriebsgrosse in der Landwirtschaft unter dem Einfluss der wirtschaftlich–technischen Entwicklung* (Beringer, Christoph), 441
Hirschman, Albert O., *The Strategy of Economic Development* (Goodman, Bernard), 468
Hoglund, C. R., Johnson, G. L., Lassiter, C. A., and McGilliard, L. D. (Eds.), *Nutritional and Economic Aspects of Feed Utilization by Dairy Cows* (Bishop, C. E.), 860

Jarrett, Henry (Ed.), *Perspectives on Conservation: Essays on America's Natural Resources* (Huffman, Roy E.), 681
Johnston, Bruce F., *The Staple Food Economies of Western Tropical Africa* (Southern, John H.), 466
Johnson, G. L. (see Hoglund, C. R.)

Kaplan, A. D. H., Dirlam, Joel B., and Lanzillotti, Robert F., *Pricing in Big Business–A Case Approach* (Knapp, Joseph G.), 158
Klein, Sidney, *The Pattern of Land Tenure Reform in East Asia after World War II* (Hewes, L. I., Jr.), 465
Koopmans, Tjalling C., *Three Essays on the State of Economic Science* (Chipman, John S.), 447
Kurihara, Kenneth K., *The Keynesian Theory of Economic Development* (Tolley, G. S.), 866

Lanzillotti, Robert F. (see Kaplan, A. D. H.)
Lassiter, C. A. (see Hoglund, C. R.)

Malone, Carl C., and Malone, Lucile Holaday, *Decision Making and Management for Farm and Home* (Davis, K. C.), 670
Malone, Lucile Holaday (see Malone, Carl C.)
Markham, Jesse W., *The Fertilizer Industry: Study of an Imperfect Market* (Bonnen, James T.), 674
Mason, Edwards S., *Economic Planning in Underdeveloped Areas* (Bechtol, Paul T.), 679
McCarthy, Philip J. (see Stephan, Frederick F.)
McGilliard, L. D. (see Hoglund, C. R.)
McKean, Roland N., *Efficiency in Government Through Systems Analysis* (Timmons, John F.), 456
Mikesell, Raymond F., *Agricultural Surpluses and Export Policy* (Bonnen, James T.), 147

Nerlove, Marc, *Distributed Lags and Demand Analysis for Agricultural and Other Commodities* (Watts, Harold W.), 151
Nerlove, Marc, *The Dynamics of Supply: Estimation of Farmers' Response to Price* (Ladd, George W.), 452

Oeser, O. A. (see Emery, F. E.)

Papandreou, Andreas G., *Economics as a Science* (Nordin, J. A.), 671

Quandt, Richard E. (see Henderson, James M.)
Quenouille, M. H., *The Analysis of Multiple Time-Series* (Zellner, Arnold), 682

Ray, Parimal Kumar, *Principles and Practices of Agricultural Insurance* (Hyre, French M.), 684

Stamer, Hans (see Herlemann, Hans-Heinrich)
Stephan, Frederick F., and McCarthy, Philip J., *Sampling Opinions, An Analysis of Survey Procedure* (Thompson, Donovan J.), 163
Studenski, Paul, *The Income of Nations* (Dollymore, Nora E.), 677
Surridge, B. J., and Digby, Margaret, *A Manual of Co-operative Law and Practice* (Mischler, Raymond J.), 463

Tang, Anthony M., *Economic Development in the Southern Piedmont, 1860-1950—Its Impact on Agriculture* (Stepp, J. M.), 156
Toussaint, W. D. (see Bishop, C. E.)

Warner, Aaron W., and Fuchs, Victor R., *Concepts and Cases in Economic Analysis* (Fels, Rendigs), 678
Worrell, Albert C., *Economics of American Forestry* (Redman, John C.), 864

Youngson, A. J., *Possibilities of Economic Progress* (Pikl, I. James, Jr.), 868